

BUILDING EMERGENCY OPERATION CENTERS

Presented By

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UNDERSTANDING THE ROLES OF THE EOC

- The “Brain”
- Command and Control
- The Players
- Communications
- Planning for Success

MULTI-JURISDICTIONAL EOCS

- **Close-Knit Jurisdictions**
- **Overlapping Areas of Responsibility**
- **Sharing Same Resources**
- **Coordinated Planning**
- **Consolidated Communications Center**
- **Cost Considerations**

THE HARRISONBURG-ROCKINGHAM EOC CONCEPT

- **History and Experiences**
- **Factors for a Consolidated EOC**
- **Information Flow between Governmental Leaders**
- **Cost**
- **Related Functionality and Re-Use of Facility**
- **PLANNING, PLANNING, MORE PLANNING**

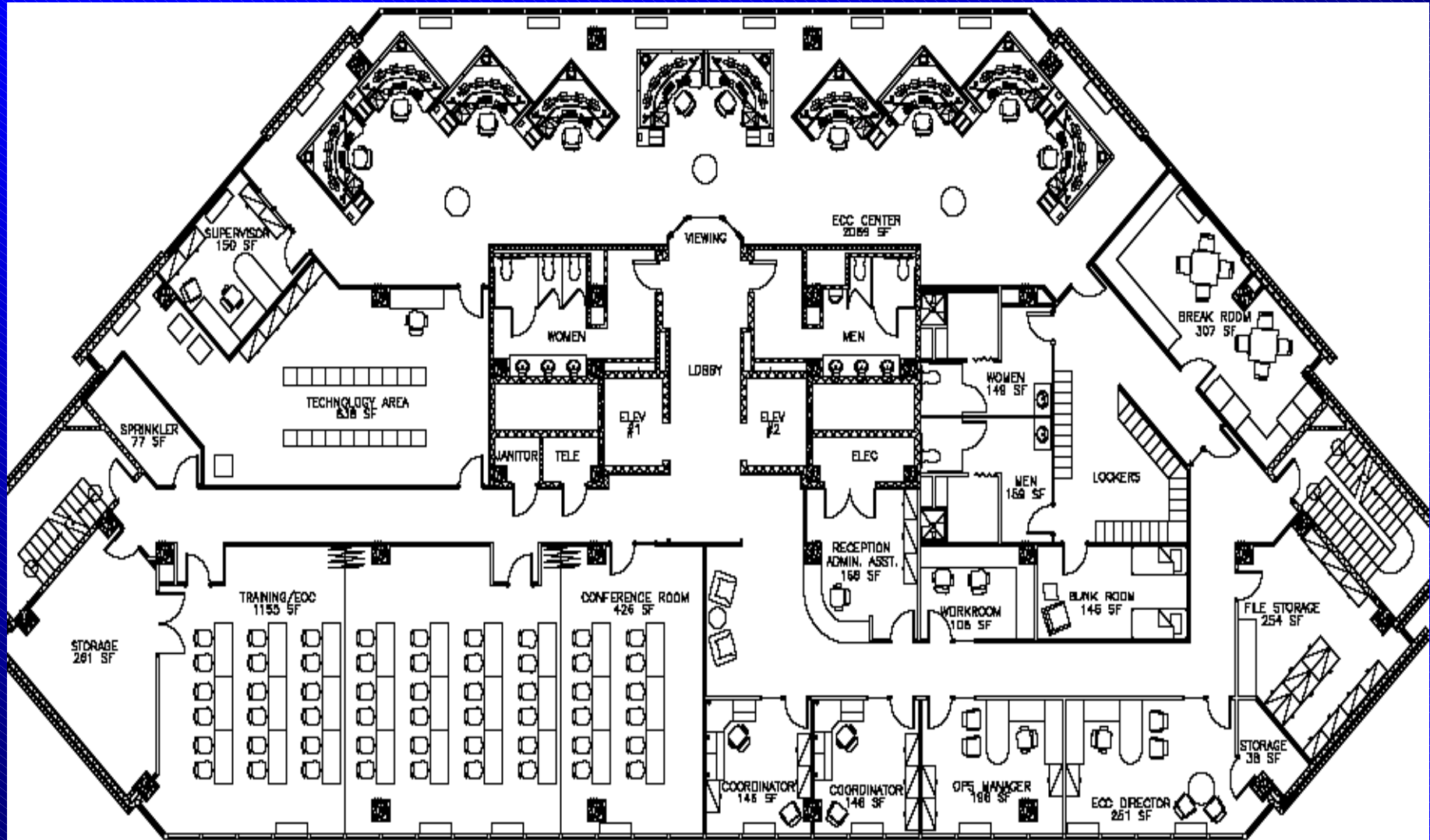
HARRISON PLAZA



INTEGRATING WITH EMERGENCY COMMUNICATIONS

- **Central Information Center for Governments**
- **Communications & Coordination with Field Personnel**
- **Physically, Same Amenities are Required**
- **ECC Technology Investment Utilized to Support EOC**
- **Close Yet Isolated**
- **Physical Facility Affords “Level of Awareness”**
- **Multi-Purpose Facility, Diversity of Building**
- **Cost Benefit/Return on Investment**

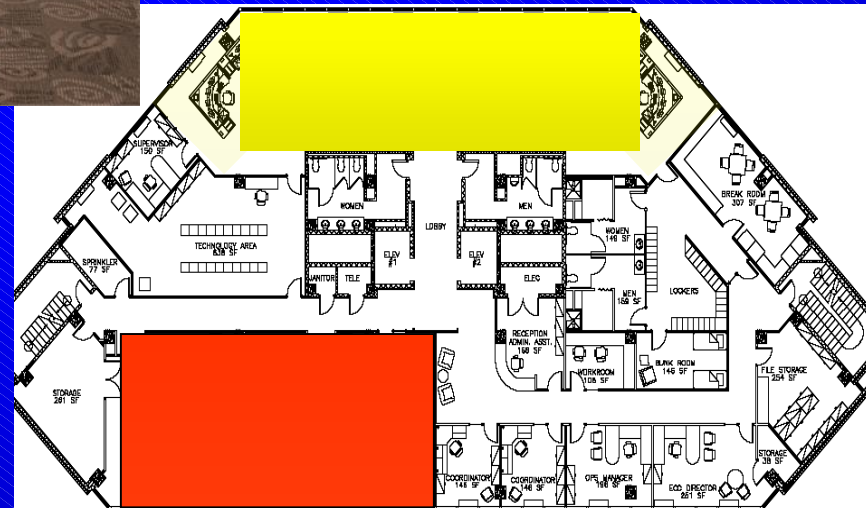
HARRISONBURG-ROCKINGHAM ECC & EOC



ECC SPACE DIVERSITY



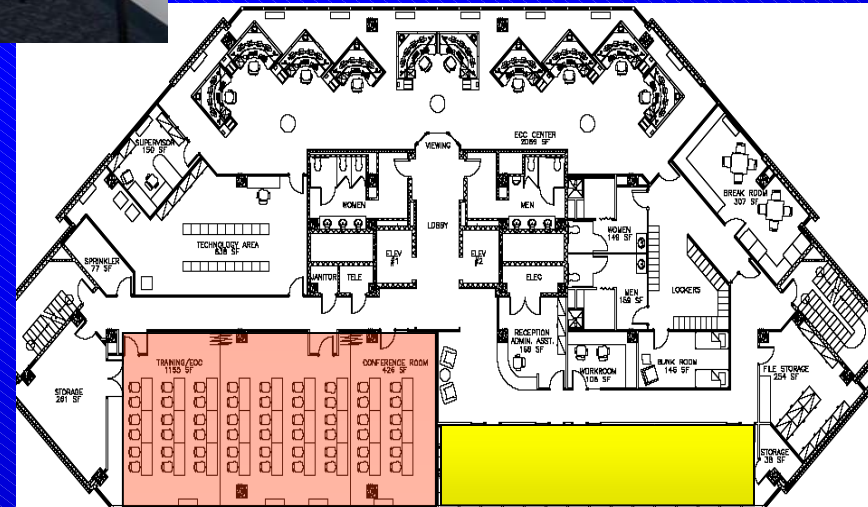
A wide-angle photograph of a large, modern office space. In the foreground, a workstation is visible with a black ergonomic chair, a desk with multiple computer monitors displaying various data and charts, and a keyboard. The desk is dark wood with a black metal frame. In the background, several other workstations are visible, with people working at them. Large windows on the left side of the office provide natural light and a view of the outside. The ceiling is a drop ceiling with recessed lighting. The floor is covered with a patterned carpet. The overall atmosphere is professional and busy.



EOC SPACE DIVERSITY



OFFICE SPACE DIVERSITY



BY THE NUMBERS...

- Overall Cost - \$3.5 Million
- Cabling – 27,000 feet
- Connectivity:
 - Network: Fiber Over Copper (12,000 ft)
 - Amateur Radio: 4 Mode, computer controlled permanent stations
 - Phone Lines: 62
- Powering:
 - 1,200 kVA Generator
 - 2.5 MVolt/nano-second Lightning Surge Protection
- Operational Reliability Rating: 5 nines (99.999%)
- Survivability - 7 Days
- Planning Time - 6 Years
- Project Completion...**PRICELESS**

BRINGING IT TOGETHER...

PLANNING

- **Multi-Government Cooperation**
- **Consulting**
- **Functional Needs Analysis**
- **Learning from Others**
- **Diversity, Redundancy & Survivability**
- **Multi-Functionality**
- **Cost Benefit**
- **Project Management**

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